



A.D. 1820 N^o 4432.

S P E C I F I C A T I O N

OF

PHILLIPS LONDON.

ARRANGEMENTS IN FURNACES AND BOILERS
FOR DECOMPOSITION OF OFFENSIVE VA-
POURS ARISING IN CERTAIN PROCESSES
FROM THE LATTER.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
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1854.



A.D. 1820 N° 4432.

Arrangements in Furnaces and Boilers for Decomposition of Offensive Vapours arising in certain Processes from the latter.

LONDON'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, PHILLIPS LONDON the younger, of Cannon Street, in the City of London, Practical Chemist, send greeting.

WHEREAS His late most Excellent Majesty King George the Third, did,
5 by His Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Twenty-fifth day of January, One thousand eight hundred and twenty, in the sixtieth year of His reign, give and grant unto me, the said Phillips London, my exors, admors, and assigns, His especial licence, full power, sole privilege and authority, that I, the said Phillips London, my
10 exors, admors, and assigns, should and lawfully might, during the term of years therein expressed, make, use, exercise, and vend, within that part of the United Kingdom of Great Britain and Ireland called England, the Dominion of Wales, and Town of Berwick upon Tweed, my Invention of "A METHOD OF DESTROYING OR DECOMPOSING THE OFFENSIVE VAPOUR ARISING FROM ANIMAL OR
15 VEGETABLE MATTER, WHEN HEATED;" in which said Letters Patent there is contained a proviso that if I, the said Philips London, should not particularly describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, by an instrument in writing under my hand and seal, and cause the same to be inrolled in His Majesty's High Court
20 of Chancery within two months next and immediately after the date of the said Letters Patent, that then the said Letters Patent, and all liberties and advantages whatsoever thereby granted, shall utterly cease, determine, and

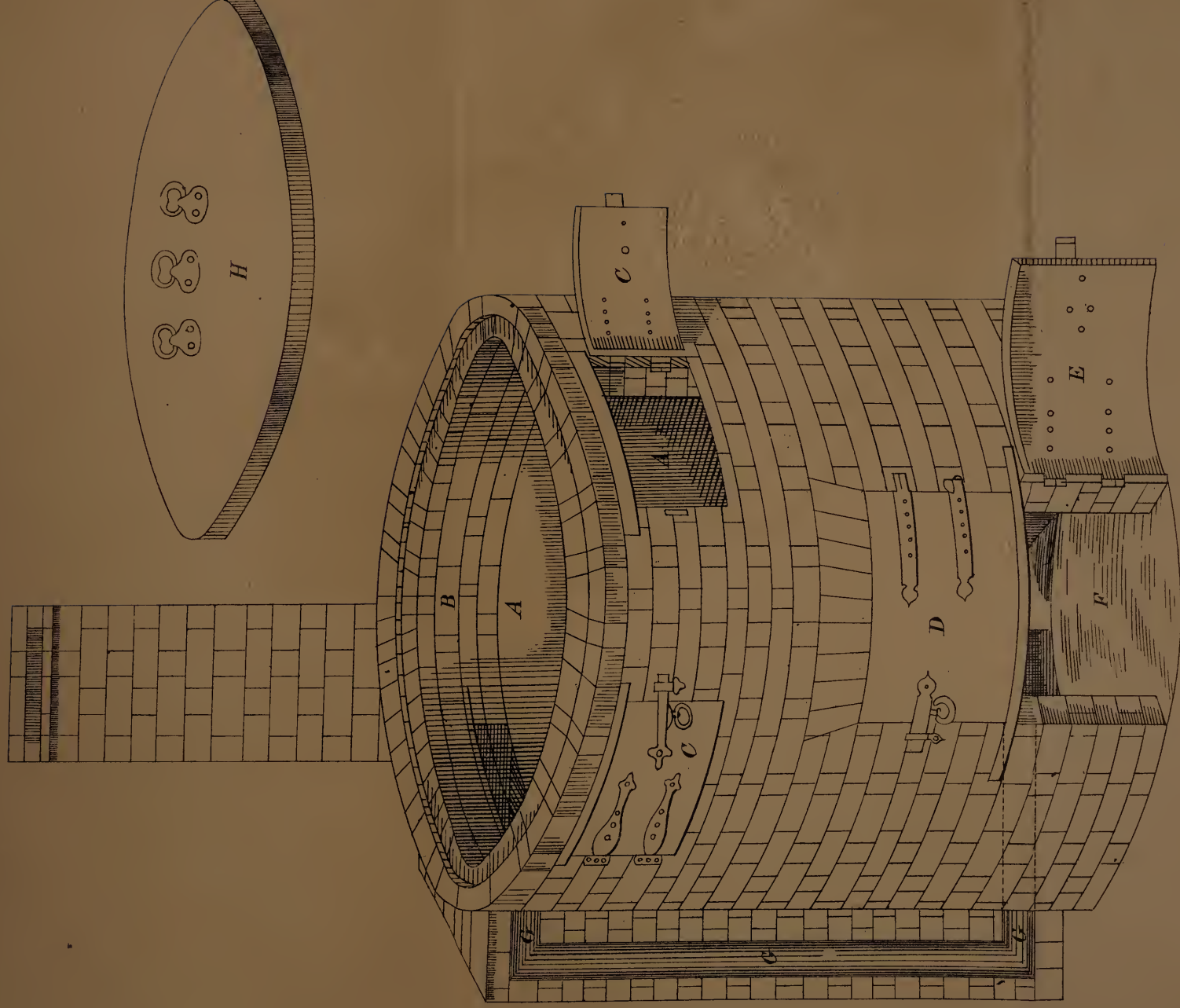
London's Improved Method of Destroying Offensive Vapours, &c.

become void, as in and by the same, relation being thereunto had, may more fully and at large appear.

NOW KNOW YE, that in compliance with the said proviso, I, the said Phillips London, do hereby declare that the nature of my said Invention, and the manner in which the same is to be performed, are particularly described 5 and ascertained in and by the Drawing hereunto annexed, and the following description thereof (that is to say):—

My Invention of a method of destroying or decomposing the offensive vapour arising from animal or vegetable matter, when heated, is described and ascertained in manner following (viz^t):— 10

The pan, boiler, vessel, or other apparatus in which animal or vegetable matter is to be heated, and from which offensive fumes or vapours arise or are emitted, is to be made and fixed up in the usual and customary manner in brickwork or masonry, except that the surface or that part of such pan, boiler, vessel, or other apparatus from which offensive fumes or vapours arise or 15 are emitted, is to be enclosed by means of bricks, metal, or other materials capable of confining such offensive fumes or vapours; from such inclosed part a communication by means of a flue or flues is to be made with the ash pit of the pan, boiler, vessel, or other apparatus from which offensive fumes or vapours arise or are emitted, or with the ash pit or under part of any other 20 fire-place, for the purpose of conveying such fumes or vapours to such ash pit or under part of the fire-place. The said ash pit or under part of the fire-place, is to be furnished with a door or other convenient means of excluding the external air when required, in which said inclosure one or more opening or openings is or are to be made, furnished with doors or other convenient 25 means of either excluding or admitting the external air, as may be required, which opening or openings is or are to be constructed as to afford facility for the usual manipulations during the process, as well as for filling, adding to, or discharging such pan, boiler, vessel, or other apparatus. When it is required to destroy or decompose such offensive fumes or vapours, the ash pit or 30 under part of the fire-place which communicates with the enclosure is to be closed, and the external air, for the support of the fire, admitted thro' one or more of the openings in the enclosure, which air entering the said enclosure, and passing, by means of the flue or flues, to the ash pit or under part of the fire-place, takes with it all the offensive fumes or vapours which, together with 35 the air admitted at such opening or openings, pass thro' the fire, and thereby become decomposed or destroyed, and at the same time add considerably to the effect of the fire; and for the convenience of working any pan, boiler, vessel, or other apparatus, the whole or part of the enclosure may be made



The enrolled drawing is not colored.

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moveable, in which case it may be found most convenient to have such moveable part made of metal, so formed that it may be readily replaced when necessary. The letter A, A, in the annexed Drawing, shews the pan or boiler; B, B, shews a raised curb of brickwork; C, C, doors to the openings in the
 5 brickwork; D, door of the fire-place; E, door of the ash pit; F, ash pit; G, G, G, flue communicating from the surface of the pan or boiler to the ash pit; H is the cover to fit upon the top of the raised curb, to form an inclosure over the pan or boiler; I shews the chimney.

In witness whereof, I, the said Phillips London, have hereunto set my
 10 hand and seal, this Eighteenth day of March, One thousand eight hundred and twenty.

(L.S.) PHILLIPS LONDON, Jun^r.

Signed, sealed, and delivered, by the
 within-named Phillips London in
 15 the presence of

HENRY JOHN ADAMS,

W. OWEN,

Clerks to Messrs. Wiltshire, Bolton, & Cole,
 Winchester House,

20 Old Broad Street.

AND BE IT REMEMBERED, that on the Eighteenth day of March, in the year of our Lord 1820, the aforesaid Phillips London the younger came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified,
 25 in form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

Inrolled the Eighteenth day of March, in the year of our Lord One thousand eight hundred and twenty.

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